SILPA VIJAYAN GEETHA

Arlington, Texas - 76013 | silpavg22@gmail.com | LinkedIn | Website
+1 (817)-829-8939

SUMMARY

Hardworking and self-motivated graduate student with 3.7 years of experience as a software engineer, seeking full time or internship opportunities which would enable use of strong technical skill.

PROFESSIONAL EXPERIENCE

Senior Software Engineer, IBS Software (IBS)   **Apr 2019 – Nov 2021**
Software Engineer, National Informatics Centre (NIC)   **Nov 2017 – April 2019**

Duties and Responsibilities
- Focussed on design and development of web applications.
- Successfully delivered projects to the client within deadline and provided exceptional client service.

Projects
- **iCargo**
  Worked on iCargo which is an air cargo management platform. Built dynamic webpages for handling seamless cargo checkin services and helps clients to track the crew. Also worked on the android application for iCargo.
  HTML | CSS | JavaScript | ReactJS | Java |JSON | React Native
- **Secure**
  Worked on project Secure which is a web-based application for cost estimation and approval of works undertaken by the government. Built web applications for cost analysis, adding the requirements of work for cost estimation and work approval.
  HTML | CSS | jQuery | JavaScript | Java | JSON

SKILLS

Programming Languages: C, C++, C#, Java, Python, PHP
Web Technologies: Flask, JavaScript, HTML5, CSS
Databases: MySQL, SQL Server, PostgreSQL, Oracle
Frameworks: React JS, React Native, jQuery, BootStrap, Laravel
Cloud Technologies: Microsoft Azure, Amazon Web Services (AWS), Google Cloud
Others: Android, Git, Office 365, Agile, Scrum, SDLC

EDUCATION

Master of Science in **Computer Science**   **Expected Dec 2023**
The University of Texas at Arlington, Texas   GPA: 4/4
Master of Engineering in **Computer Science**   **Apr 2017**
Kerala University, India   GPA:3.7/4
Bachelor of Engineering in **Computer Science**   **Apr 2015**
Kerala University, India   GPA:3.5/4

ACADEMIC PROJECTS

- **Data Visualization**
  To visualize and display the results from SQL table within a browser, allow a user to select intervals or attributes in a data set, show results as a pie chart, a histogram, or a scatter or point chart.
  AWS | Python | Flask | HTML | CSS | JavaScript | MySQL | D3.js
- **AWS Data Repository Performance**
  To measure performance on SQL tables: creating, querying, modifying data (tuples).
  AWS | Python | Flask | HTML | CSS | JavaScript | MySQL
- **AWS Web Interface Picture Site**
  To provide a picture viewing and profile creating service and UI. The web page will display the images uploaded, profile entered by user and can be edited as well
  Azure | Python | Flask | HTML | CSS | JavaScript | MySQL
- **DSC-BD System**
  An application to detect botnet/malware on continuous data streams.
  HTML | CSS | ASP .NET| C#
- **One-Mart**
  An application for students for forming clubs, buying/selling products, creating posts etc.
  React | PHP | Laravel
- **Machine Learning Algorithms**
  Implemented various ML algorithms like Naïve Bayes, Logistic Regression, KNN etc
- **Game Winner Prediction**
  Predicting the winner of a kabbadi match using Logistic Regression Algorithm.
- **Online test application using AWS**
  An timer based online grading system with an admin, tutor and student. Done using 3 AWS instances for security

ACHIEVEMENTS

- **Best Paper Award:** Won Best Paper Award for "Data Stream Clustering for Botnet Detection" at IEEE ICSNS 2018.
- **Spot Award for Excellence in Performance**: Won Spot Award for iCargo project at IBS, 2020.